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| FOR UTILITY OF | | First Named I | nventor | Srinivasan, Ravi et al. | | |
| PATENT APPLI | | Til st ivamed i | | TE IF KNOWN | | |
| FATENI AFFLI | CATION | Application No | | 01,430 | | |
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| 1 - | Declaration | Filing Date | | ch 7, 2001 | | |
| Submitted with OR | Submitted after | Group Art Unit | | Be Assigned | | |
| initial filing | initial filing | Examiner Nam | e To E | Be Assigned | | |
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| As a below named inventor, I hereby declare that: My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (only if one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: | | | | | | |
| Paralle | l Gas Chromatogra | | | <u>/</u> | | |
| the specification of which | (111. | le of the Invention | , | | | |
| is attached hereto OR Was filed on March 7, 2001 as United States Application Number or PCT International Application Number: 09/801,430 and was amended on (if applicable). I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56. | | | | | | |
| I hereby claim foreign priorit application(s) for patent or in designated at least one count below, by checking the box, a international application havi | ventor's certificate, or y other than the Unit any foreign application of a filing date before | or § 365(a) of any ted States of Ame on for patent or in re that of the appli | PCT internations, listed be ventor's certication on who | ional application which low and have also identified ficate, or of any PCT ich priority is claimed. | | |
| Prior Foreign Application Number(s) | Country | Foreign Filing Date (MM/DD/YY) | Priority Not Claim | Certified Copy Attached ed YES NO | | |
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| Additional foreign application numb | pers are listed on a suppleme | ental priority data sheet F | TO/SB/02B attac | hed hereto: | | |
| I hereby claim the benefit under Title 35 | • • | - | | | | |
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| Application Number (s) | | | | ditional provisional application | | |
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|---|--|--------------|--------------|----------|--------------------|---|--------------|-----------------|----------------------|----------------------|--|
| I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s) of any PCT International application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the | | | | | | | | | | | |
| prior United States or PCT Int the duty to disclose information | ternational ap | plication in | the matter p | rovide | d by th | ie first paragraph | of Title 35, | United | States Code § | 112, I acknowledge | |
| between the filing date of the | | | | | | | | | is 9 1.50 which | . became available | |
| U.S Parent Applica | tion | PCT | Parent | | Parent Filing Date | | | Pa | Parent Patent Number | | |
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| | Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto | | | | | | | | | | |
| As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and | | | | | | | | | | | |
| Trademark Office connected therewith: Customer Number 22905 | | | | | | | | | | | |
| OR Registered practitioner(s) name/registration number listed below | | | | | | | | | | | |
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| I hereby declare that all statem | ents made he | rein of my | own knowled | lge ar | e true a | nd that all stater | nents made | on info | mation and be | lief are believed to | |
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| ☐ Additional inventors are | e being nam | ed on the | supplem | ental | additi | onal inventor(| s) sheet(s) | PTO/S | B/02A attach | ed hereto. | |
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| | A petition has been filed for this unsigned inventor | | | | | | | | |
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| I | H. Sam | | | | | Bergh | | | |
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| N | Mikhail | | | | Sp | oitkovsy | | | |
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| Given Name (fir | st and middle [it | fany]) | | Family Name or Surname | | | | | |
| Ja | ames R. | | | Engstrom | | | | | |
| Inventor's | | | - , - | | , | Dated | | | |
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| I | H. Sam | | | | | Bergh | | | |
| Inventor's | 2 | >/ | \mathcal{I} | | | Dated | | | |
| Signature | # | | | _ | | 5-7 | . 5 | 100 | |
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| Address | | | | | | | | | |
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Symyx Technologies SEPTEMBER 24, 2001 Department

PTAS

PAUL A. STONE SYMYX TECHNOLOGIES, INC. LEGAL DEPARTMENT 3100 CENTRAL EXPRESSWAY SANTA CLARA, CA 95051

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DOC DATE: 07/03/2001

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DOC DATE: 05/07/2001

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DOC DATE: 05/07/2001

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DOC DATE: 05/07/2001

011985/0210 PAGE 2

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SERIAL NUMBER: 09801430

PATENT NUMBER:

FILING DATE: 03/07/2001

ISSUE DATE:

STEVEN POST, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

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| To the Honorable Assistant Commissioner of Patents a Please record the attached original documents or copy |)1783974 |
| Name of conveying party(ies) | Name and address of receiving party(ies) |
| Srinivasan, Ravi Myslovaty, Michael Pinkas, Daniel M. Spitkovsky, Mikhail Guan, Shenheng Engstrom, James R. Bergh, H. Sam | Name: Symyx Technologies, Inc. Legal Department 3100 Central Expressway Santa Clara, CA 95051 |
| Additional name(s) of conveying Yes Sparty(ies) attached? 3. Nature of Conveyance: | No Additional name(s) & address(es) attached? ☐ Yes ☒ No |
| | |
| | ☐ Merger |
| Other | ☐ Change of Name JUL 1 6 2001 |
| Execution Dates: May 7, 9, and July 3, 2001 | |
| Application number(s) or patent number(s): If this document is being filed together with a new appli | ication, the execution date of the application is: |
| A. Patent Application No.(s)09/801,430 | B. Patent No.(s) |
| Filed: March 7, 2001 | e on singles |
| | umbers attached? ☐ Yes ☒ No ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ |
| Name and address of party to whom correspondent concerning document should be mailed: | 6. Total number of applications and patents involved: 1 |
| Attorney's Name: Paul A. Stone | 7. Total fee (37 CFR 3.41):\$ 40.00 |
| Name: Symyx Technologies, Inc. Legal Department 3100 Central Expressway Santa Clara, CA 95051 | ☐ Enclosed ☐ Authorized to be charged to deposit account |
| | |
| | Deposit account number: 50-0496 (Attached duplicate copy of this page if paying by deposit account) |
| 9. Statement and signature: | |
| To the best of my knowledge and belief, the foregoing the original document. Paul A. Stone Reg. No. 38,628 | ing information is true and correct and any attached copy is a true copy of |
| (Name of Person Signing) | Signature Date |
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07/19/2001 AAHFIED1 00000069 500496 09801430

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Attorney Docket No.: 99-88R1

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Ravi Srinivasan, Daniel Meron Pinkas, Shenheng Guan, Michael Myslovaty, Mikhail Spitkovsy, James R. Engstrom, H. Sam Bergh, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below identified application for United States Letter Patent:

| Filing Date: 03/07/2001 | _ Application No.: | 09/801,430 | and |
|-------------------------|--------------------|------------|-----|

Title of Invention: Parallel Gas Chromatograph With Microdetector Array

WHEREAS, Symyx Technologies, Inc., a Delaware corporation, located at 3100 Central Expressway, Santa Clara, California 95051, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application, and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention or otherwise. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

| Date: 7/2/1 | * Ankinvasan |
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| | Ravi Srinivasan |
| STATE OF CALLOYNIC | |
| COUNTY OF SANTA CANCI | |
| On 7/3/01, before me, Reno | e GIWAWIA, Notary Public, personally |
| appeared KAVI STINIVASCIL | , personally known to me (or proved to me on the |
| basis of satisfactory evidence) to be the person(s) who | |
| and acknowledged to me that he/she/they executed the | e same in his/her/their authorized capacity(ies), and |
| that by his/her/their signature(s) on the instrument the | person(s), or the entity upon behalf of which the |
| person(s) acted, executed the instrument. | |
| WITNESS my hand and official seal Signature | RENEE LAMANTIA ssion # 1252598 sublic - California sublic - County My Comm. Expires Feb 15, 2004 (Seat) |
| Date: 5/7/0/ | D-Pl |
| STATE OF California COUNTY OF Santa Clara | Daniel Meron Pinkas |
| On 5/7/01, before me, Revice | , personally known to me (or proved to me on the |
| appeared Daniel M. Pinkas | , personally known to me (or proved to me on the |
| basis of satisfactory evidence) to be the person(s) who | se name(s) is/are subscribed to the within instrument |
| and acknowledged to me that he/she/they executed the | |
| that by his/her/their signature(s) on the instrument the | person(s), or the entity upon behalf of which the |
| person(s) acted, executed the instrument. WITNESS my hand and official seal | RENEE LAMANTIA Commission # 1252599 Notary Public - Collegels Sonta Clara County |
| Signature Rome Rammutta | My Comm. Bates Feb 18.2004 (Seal) |

| Date: 5/9/2001 Shenheng Guard |
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| on 590, before me, Rence a Manuala, Notary Public, personally appeared Shankery Alaw , personally known to me (or proved to me on the |
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| basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument |
| and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and |
| that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the |
| person(s) acted, executed the instrument. |
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| Signature / Me Commuta (Seal) |
| Date: 5/7/2001 Ulichael Mystore |
| Michael Myslovaty |
| A |
| STATE OF California |
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| STATE OF Calfornia COUNTY OF Santa Clara On 5/7/01, before me, Re Noe La Manula, Notary Public, personally |
| STATE OF California COUNTY OF Sawta Clana |
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| STATE OF CALLOWILL COUNTY OF Santa Clana On 5/7/61, before me, Rence a Manuala, Notary Public, personally appeared Michael Myslovatu, personally known to me (or proved to me on the |
| STATE OF CALLEYNIK COUNTY OF SAME CLANA On 5/701, before me, Rena Gamanta, Notary Public, personally appeared McWal Muslovatu, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument |
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Docket No.: 99 SSR1 Page 4 of 4

| Date: May 744, 200/ | AH |
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| | James L. Engstrom |
| STATE OF NEW YORK | |
| COUNTY OF TOMPRIE. | |
| on 5/7/2001, before me, ACOULAND R. Empharman, basis of satisfactory evidence) to be the person(s) whose me, basis of satisfactory evidence) | |
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| person(s) acted, executed the instrument. | son(3), or the entity upon behan of which the |
| Signature Votaty Public, State of New 194 Outliffed in Tompkins County Commission Expires March 30, 2003 | (Seal) |
| Date: | H. Sam Bergh |
| | n. Sain bergii |
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| On, before me, | , Notary Public, personally |
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| WITNESS my hand and official seal | |

(Seal)

Signature_

Docket No.:99-88R1 Page 4 of 5

| Date: | |
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| | James R. Engstrom |
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| On, before me, | , Notary Public, personally |
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| and acknowledged to me that he/she/they executed | the same in his/her/their authorized capacity(ies), and |
| that by his/her/their signature(s) on the instrument | the person(s), or the entity upon behalf of which the |
| person(s) acted, executed the instrument. | |
| | |
| WITNESS my hand and official seal | |
| | |
| Signature | _ (Seal) |
| | |
| | 11 |
| - 6-7-7001 | 1172 |
| Date: 7 (Control | H am Hergh |
| Call In | The Shift |
| STATE OF California COUNTY OF SANTA Clevia | |
| COUNTY OF SANTA Clevia | |
| a State Roma | Notary Public, personally, personally known to me (or proved to me on the |
| on before me, News | Notary Public, personally |
| appeared R Solw Boydy | , personally known to me (or proved to me on the |
| | hose name(s) is/are subscribed to the within instrument |
| | the same in his/her/their authorized capacity(ies), and |
| | he person(s), or the entity upon behalf of which the |
| person(s) acted, executed the instrument. | RENEE LAMANTIA |
| | Commission # 1252576 |
| WITNESS my hand and official seal | Notary Public - California Santa Clara County |
| Signature Rame Ramantia | My Comm. Biplies Feb 13,2214 |
| Signature Lance (Xammunia) | (Seal) |

| Date: 05/07/0/ | MSpitkousky |
|--|---|
| | Mikhail Spitkovsky |
| STATE OF COUNTY OF SCONTA CLAVA | |
| on 5/1/bl , before me, Rence appeared Mikhail Spitkousky | , Notary Public, personally personally known to me (or proved to me on the |
| basis of satisfactory evidence) to be the person(s) who | |
| and acknowledged to me that he/she/they executed the | e same in his/her/their authorized capacity(ies), and |
| that by his/her/their signature(s) on the instrument the | person(s), or the entity upon behalf of which the |
| person(s) acted, executed the instrument. | |
| WITNESS my hand and official seal | RENEE LAMANTIA Commission # 1255699 Notary Public - Colleges Santo Clara County |



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231



101783974B

AUTHORIZATION TO CHARGE ADDITIONAL FEES TO DEPOSIT ACCOUNT

SEPTEMBER 24, 2001

TO:

OFFICE OF FINANCE

FROM:

ASSIGNMENT DIVISION

OFFICE OF PUBLIC RECORDS

SUBJECT:

DEPOSIT ACCOUNT CHARGE(S)

CHARGE THE DEPOSIT ACCOUNT LISTED BELOW ADDITIONAL FEE(S) AS INDICATED BELOW. AUTHORIZATION TO CHARGE ADDITIONAL FEES HAS BEEN PROVIDED PER THE ATTACHED COVER SHEET, OR BY DIRECT CONTACT WITH THE CUSTOMER.

DEPOSIT ACCOUNT NUMBER: 500496

PROPERTY NUMBER: 09801430

RECORDING FEES:

FEE CODE: 581

AMOUNT:

IF YOU HAVE ANY QUESTIONS REGARDING THIS NOTICE, YOU MAY CONTACT THE INDIVIDUAL WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.

STEVEN POST, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

| TRADEMARK SERVICE FEES: | FLE | CODE: |
|--------------------------------------|-----|-------|
| RECORDING FIRST MARK | 481 | |
| RECORDATION SECOND AND | 482 | |
| SUBSEQUENT MARK IN SAME DOCUMENT | | |
| LABOR CHARGES FOR SERVICES PER HOURS | 484 | |
| OR FRACTION THEREOF | | |
| UNSPECIFIED OTHER SERVICES | 485 | |
| | | |

PATENT SERVICE FEES:

RECORDING EACH PATENT ASSIGNMENT, AGREEMENT, OTHER PAPER, PER PROPERTY

581

FUE CODE.

LABOR CHARGES FOR SERVICES PER HOUR (\$30) OR FRACTION THEREOF UNSPECIFIED OTHER SERVICES 585